

Appl. No. 10/709,604
Amdt. dated March 24, 2006
Reply to Office action of January 18, 2006

This listing of claims will replace all prior versions and listings of claims in the application.

Listing Claims:

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1. (Currently Amended) A floating-type clamping mechanism for use in an optical disk drive comprising:

a clamping body;

a clamping yoke comprising a first central hole;

10 a central clamping element ~~for combining with the clamping yoke by passing through the first central hole comprising a prominent part;~~

a magnetic element attracted to the clamping yoke and comprising a second central hole, wherein the prominent part passes through the second central hole and the central clamping element is clamped by the clamping yoke and the magnetic element; and for holding the central clamping element and combining with the clamping yoke; and

15 a plurality of elastic elements, wherein two ends of each elastic element are fixed to the clamping body and the clamping yoke respectively.

2. (Original) The floating-type clamping mechanism of claim 1 wherein the magnetic element is a magnet.

20 3. (Original) The floating-type clamping mechanism of claim 1 wherein the clamping yoke further comprises a plurality of connecting holes and the clamping body comprises a plurality of connecting holes positioned correspondingly to the plurality of connecting holes of the clamping yoke and the plurality of elastic elements are connected to the plurality of connecting holes of the clamping yoke and the plurality of connecting holes of the clamping body.

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4. (Original) The floating-type clamping mechanism of claim 1 wherein when an optical disk is loaded into the optical disk drive, the magnetic element of the floating-type clamping mechanism attracts a magnetic element on a turntable of the optical disk drive for fixing the optical disk, and when the optical disk is ejected from the optical disk drive,
5 the magnetic element of the floating-type clamping mechanism separates from the magnetic element on the turntable of the optical disk drive and the magnetic element of the floating-type clamping mechanism separates from the clamping body by the elastic force of the plurality of elastic elements.

10 5. (Canceled)

6. (Canceled)

7. (Currently Amended) A floating-type clamping mechanism for use in an optical disk
15 drive comprising:
a magnetic element;
a clamping yoke [[for being]] attracted [[by]] to the magnetic element; and
a clamping body comprising a central clamping element and a plurality of cantilevers,
wherein the cantilevers is stretched from the clamping body and connected to the central
20 clamping element, for holding the magnetic element and the clamping yoke.
wherein the central clamping element is clamped between the magnetic element and
the clamping yoke.

8. (Original) The floating-type clamping mechanism of claim 7 wherein when an
25 optical disk is loaded into the optical disk drive, the magnetic element of the floating-type clamping mechanism attracts a magnetic element on a turntable of the optical disk drive for fixing the optical disk, and when the optical disk is ejected from the optical disk drive, the magnetic element of the floating-type clamping mechanism separates from the

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magnetic element on the turntable of the optical disk drive and the magnetic element of the floating-type clamping mechanism separates from the clamping body by the restoring force of the plurality of cantilevers.

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